AMENDMENTS TO THE SPECIFICATION

Please amend the Specification pursuant to 37 C.F.R. § 1.121 as follows:

I. Please amend paragraph 0009 of the Specification as follows:

Using the Cauchy integral ~~theorems~~ theorem and the residue theorem, the new representation can be used for compressing data.

II. Please amend paragraph 0014 of the Specification as follows:

Satisfaction of these equations is the fundamental condition for the applicability of the so-called Cauchy integral ~~theorems~~ theorem or of the residue theorem. According to this theorem, the values of s(z) within a closed curve C can be calculated using the values of the function s(z) that are located on the boundary of the area bounded by C. This opens a number of new possibilities for the representation, interpolation and compression of data.

III. Please amend paragraph 0025 of the Specification as follows:

According to the well-known Cauchy integral ~~theorems~~ theorem, holomorphic functions within a closed curve can be determined by the values on this curve. A corresponding typical scenario is depicted in Figure 2.